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PTO/SB/21 (02-04)

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/802,011
	Filing Date	03/16/2004
	First Named Inventor	Ba-Zhong Shen, Ph.D.
	Art Unit	2631
	Examiner Name	n/a
Total Number of Pages in This Submission	Attorney Docket Number	BP3134CIP

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
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<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Garlick, Harrison & Markison, LLP (USPTO CN 34399) Shayne X. Short, Ph.D. (Reg. No. 45,105)
Signature	
Date	8-31-04

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.	
Typed or printed name	Janice Ivy
Signature	
Date	8/31/04

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**PATENT APPLICATION  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Inventor(s):** Ba-Zhong Shen, Ph.D.,  
Hau Thien Tran, and  
Dr. Kelly Brian Cameron

**Examiner:** n/a

**Application Serial No:** 10/802,011

**Art Group:** 2631

**Application Filing Date:** 03/16/2004

**Confirmation No:** 4929

**Patent No:** n/a

**Attorney Docket No:** BP3134CIP

**Patent Issue Date:** n/a

**Title:** LDPC (Low Density Parity Check) coded modulation hybrid decoding using non-Gray code maps for improved performance

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Date: Tuesday, August 31, 2004 (08/31/04)

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir or Madam:

It is requested that the enclosed reference(s) listed on the attached Information Disclosure Statement by Applicant be considered by the Examiner in connection with the above-identified patent application and be made of record therein. A European Search Report has been made for a related EP patent application. The cover letter provided by our foreign associate and the actual European Search Report are being submitted herewith in addition to copies of the reference(s) cited within the European Search Report.

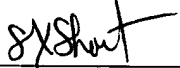
Certification Under 37 C.F.R. § 1.97(e)(1)

I hereby certify that the corresponding enclosed reference(s) were cited in a European Search Report (copy enclosed) dated June 30, 2004 (06/30/2004) from the European Patent Office concerning European Patent Application No. 04003652.7-1247- (Attorney Docket No. BP02P437EP), not more than three months prior to the filing of this Information Disclosure Statement by Applicant.

Independent consideration and acknowledgment of the enclosed references is respectfully requested.

The Examiner is invited to contact the undersigned by telephone or facsimile if the Examiner believes that such a communication would advance the prosecution of the present patent application, or if the Examiner has any additional questions or concerns.

RESPECTFULLY SUBMITTED,

By:   
Shayne X. Short, Ph.D.  
Reg. No. 45,105  
Direct Phone: (512) 825-1145  
Direct Fax No. (512) 394-0054

**GARLICK HARRISON & MARKISON LLP**

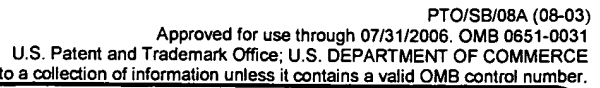
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**Complete if Known**

**(Use as many sheets as necessary)**

Application Number	10/802,011
Filing Date	03/16/2004
First Named Inventor	Ba-Zhong Shen, Ph.D.
Art Unit	2631
Examiner Name	n/a
Attorney Docket Number	BP3134CIP

[illegible]

FOREIGN PATENT DOCUMENTS						T <sup>6</sup>
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
		EP 0836305 A2	04-15-1998	British Telecommunicat		

Date Considered	
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/802,011
		Filing Date	03/16/2004
		First Named Inventor	Ba-Zhong Shen, Ph.D.
		Art Unit	2621
		Examiner Name	n/a
Sheet 2	of 2	Attorney Docket Number	BP3134CIP

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		WADAYAMA 1: "A CODED MODULATION SCHEME BASED ON LOW DENSITY PARITY CHECK CODES" IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS, COMMUNICATIONS AND COMPUTER SCIENCES, INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, JP, vol. E84A, no. 10, October 2001 (2001—10), pages 2523—2527, XPO01107784 ISSN: 0916—8508 * the whole document *	
		MITTELHOLZER T ET AL: "Reduced—complexity decoding of low density parity check codes for generalized partial response channels" IEEE TRANSACTIONS ON MAGNETICS, IEEE INC. NEW YORK, US, vol. 37, no. 2, pt1, March 2001 (2001—03), pages 721—728, XP002177074 ISSN: 0018—9464 * the whole document *	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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